

KEY FEATURES

- Very high efficiency mid-range driver
- Carbon fiber cone for optimum loading behaviour and low distortion
- Extremely linear frequency response
- 4" edgewound aluminium voice coil
- 800 W program power
- High efficiency and sensitivity
- FEA optimized neodymium magnet structure
- Sealed cast aluminium frame
- Designed for high performance mid-frequency line array and horn loading applications



TECHNICAL SPECIFICATIONS

Nominal diameter	250 mm	10 in
Rated impedance		8 Ω
Minimum impedance		8,5 Ω
Power capacity ¹		400 W _{AES}
Program power ²		800 W
Sensitivity	102 dB	1W / 1m @ Z _N
Frequency range		300 - 5.000 Hz
Voice coil diameter	101,6 mm	4 in
Bl factor		28,8 N/A
Moving mass		0,040 kg
Voice coil length		11,5 mm
Air gap height		10 mm

THIELE-SMALL PARAMETERS³

Resonant frequency, f _s	260 Hz
D.C. Voice coil resistance, R _e	5,8 Ω
Mechanical Quality Factor, Q _{ms}	22
Electrical Quality Factor, Q _{es}	0,45
Total Quality Factor, Q _{ts}	0,44
Equivalent Air Volume to C _{ms} , V _{as}	2 l
Mechanical Compliance, C _{ms}	10 μ m / N
Mechanical Resistance, R _{ms}	3 kg / s
Efficiency, η_0	7,2 %
Effective Surface Area, S _d	0,038 m ²
Maximum Displacement, X _{max} ⁴	3,5 mm
Displacement Volume, V _d	133 cm ³
Voice Coil Inductance, L _e @ 1 kHz	0,5 mH

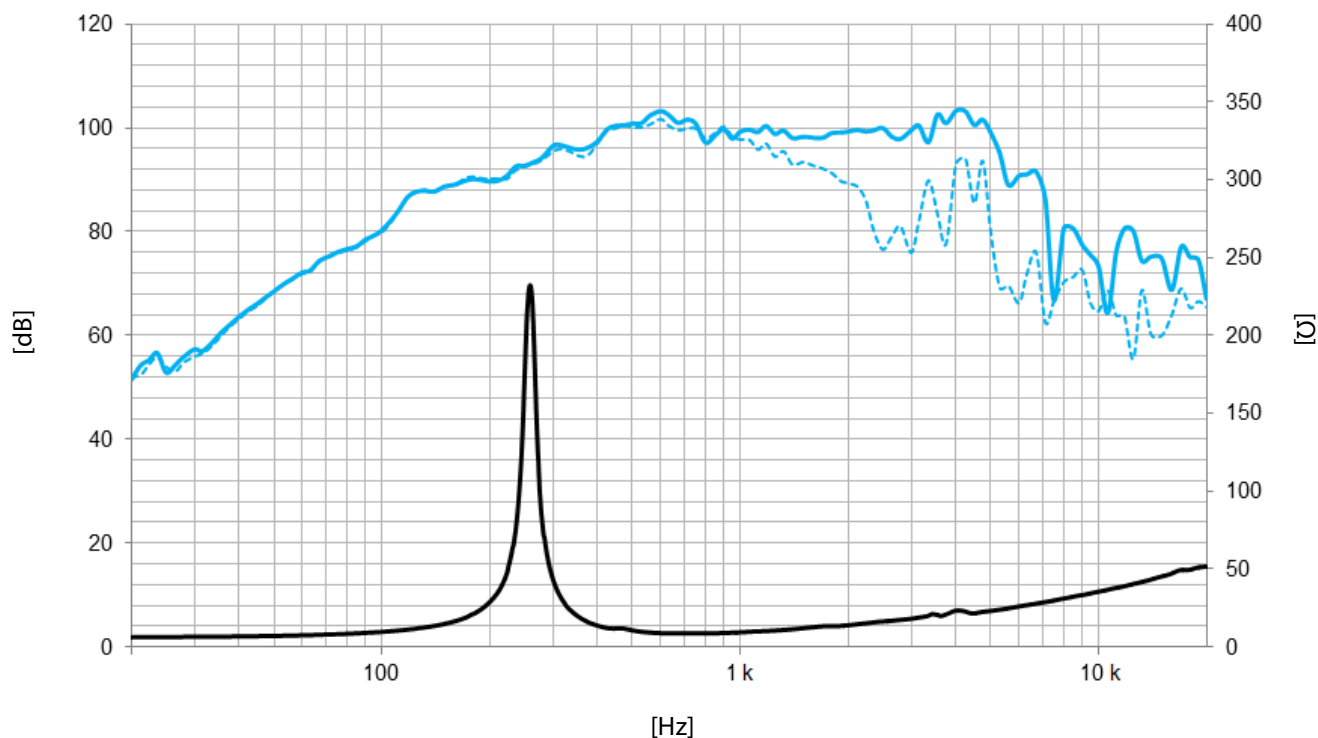
Notes:

¹ The power capacity is determined according to AES2-1984 (r2003) standard.

² Program power is defined as power capacity + 3 dB.

³ T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

⁴ The X_{max} is calculated as (L_{vc} - H_{ag})/2 + (H_{ag}/3,5), where L_{vc} is the voice coil length and H_{ag} is the air gap height.



Note: Frequency response measured with loudspeaker standing on infinite baffle in anechoic chamber, 1W @ 1m

— Frequency response on axis
- - - Frequency response 45° off axis

MOUNTING INFORMATION

Overall diameter	270 mm	10,6 in
Bolt circle diameter	248 mm	9,8 in
Baffle cutout diameter:		
- Front mount	227 mm	8,9 in
Depth	103 mm	4,1 in
Net weight	6,2 kg	13,7 lb
Shipping weight	6,6 kg	14,5 lb

DIMENSION DRAWING

